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|--|----|------------------------|-------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application No. | 10/737,398 |
| | | Filing Date | December 16, 2003 |
| | | First Named Inventor | Young-Doo KIM |
| | | Art Unit | 2611 |
| | | Examiner Name | Tran, Khai |
| Total Number of Pages in This Submission | 11 | Attorney Docket Number | 51876P442 |

| ENCLOSURES (check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; min-height: 80px;">return postcard</div> |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|--|
| Firm or Individual name | Eric S. Hyman, Reg. No. 30,139 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature | |
| Date | 4/15/08 |

| CERTIFICATE OF MAILING/TRANSMISSION | | | |
|--|------------|------|---------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. | | | |
| Typed or printed name | Linda Metz | | |
| Signature | | Date | 4-16-08 |



FEE TRANSMITTAL for FY 2007

Patent fees are subject to annual revision.

Complete if Known

☒ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

| | |
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| Art Unit | 2611 |
| Attorney Docket No. | 51876P442 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge fee(s) indicated below, except for the filing fee ☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

☒ Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.

FEE CALCULATION

1. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|---|----------|
| 18 | 20 | 0 | \$0.00 |
| 7 | 7 | 0 | \$0.00 |
| Multiple Dependent | | | |
| Large Entity | Small Entity | | |
| Fee Code | Fee Code | Fee Description | |
| 1202 50 | 2202 25 | Claims in excess of 20 | |
| 1201 210 | 2201 105 | Independent claims in excess of 3 | |
| 1203 370 | 2203 185 | Multiple Dependent claim, if not paid | |
| 1204 810 | 2204 405 | **Reissue independent claims over original patent | |
| 1205 810 | 2205 405 | **Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (1) | | (\$) | 0.00 |

**or number previously paid, if greater, For Reissues, see below

2. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description |
|---------------------|--------------|--|
| Fee Code | Fee Code | Fee Description |
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet. |
| 2053 130 | 2053 130 | Non-English specification |
| 1251 120 | 2251 60 | Extension for reply within first month |
| 1252 460 | 2252 230 | Extension for reply within second month |
| 1253 1,050 | 2253 525 | Extension for reply within third month |
| 1254 1,640 | 2254 820 | Extension for reply within fourth month |
| 1255 2,230 | 2255 1,115 | Extension for reply within fifth month |
| 1401 510 | 2401 255 | Notice of Appeal |
| 1402 510 | 2402 255 | Filing a brief in support of an appeal |
| 1403 1,030 | 2403 515 | Request for oral hearing |
| 1451 1,510 | 2451 1,510 | Petition to institute a public use proceeding |
| 1460 130 | 2460 130 | Petitions to the Commissioner |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt |
| 1809 810 | 1809 405 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 1810 810 | 2810 405 | For each additional invention to be examined (37 CFR § 1.129(b)) |
| Other fee (specify) | | |

SUBTOTAL (2)

(\$)

Fee Paid

SUBMITTED BY

Name (Print/Type) Eric S. Hyman

Registration No. (Attorney/Agent)

30,139

Telephone

(310) 207-3800

Signature

Date

4/14/07



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Young-Doo Kim et al.,

Application No. 10/737,398

Filing Date: 12/16/2003

For: **APPARATUS AND METHOD FOR)
ADAPTIVELY MODULATING)
SIGNAL BY USING LAYERED)
TIME-SPACE DETECTOR USED)
IN MIMO SYSTEM)**

)
)
) Examiner: Tran, Khai
)
) Art Unit: 2611
)
) Confirmation No. 7625
)

RESPONSE TO OFFICE ACTION

Mail Stop: Amendments
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

This is in response to the Office Action mailed January 16, 2008.